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EXAMINER  
DEHLING, G

ART UNIT	PAPER NUMBER
2614	

DATE MAILED: 11/25/92

This is a communication from the examiner in charge of your application  
COMMISSIONER OF PATENTS AND TRADEMARKS

☒ This application has been examined ☐ Responsive to communication filed on \_\_\_\_\_ ☐ This action is made final.

A shortened statutory period for response to this action is set to expire 3 month(s), 0 days from the date of this letter.  
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

**Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:**

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited by Examiner, PTO-892. | 2. <input checked="" type="checkbox"/> Notice re Patent Drawing, PTO-948.        |
| 3. <input checked="" type="checkbox"/> Notice of Art Cited by Applicant, PTO-1449.      | 4. <input type="checkbox"/> Notice of informal Patent Application, Form PTO-152. |
| 5. <input type="checkbox"/> Information on How to Effect Drawing Changes, PTO-1474.     | 6. <input type="checkbox"/> _____  |

**Part II SUMMARY OF ACTION**

1. ☒ Claims 1-23 are pending in the application.  
Of the above, claims \_\_\_\_\_ are withdrawn from consideration.
2. ☐ Claims \_\_\_\_\_ have been cancelled.
3. ☐ Claims \_\_\_\_\_ are allowed.
4. ☒ Claims 1-5, 10-15 are rejected.
5. ☒ Claims 6-9, 16-23 are objected to.
6. ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.
7. ☐ This application has been filed with informal drawings under 37 C.F.R. 1.85 which are acceptable for examination purposes.
8. ☐ Formal drawings are required in response to this Office action.
9. ☐ The corrected or substitute drawings have been received on \_\_\_\_\_. Under 37 C.F.R. 1.84 these drawings are ☐ acceptable. ☐ not acceptable (see explanation or Notice re Patent Drawing, PTO-948).
10. ☐ The proposed additional or substitute sheet(s) of drawings, filed on \_\_\_\_\_ has (have) been ☐ approved by the examiner. ☐ disapproved by the examiner (see explanation).
11. ☐ The proposed drawing correction, filed on \_\_\_\_\_, has been ☐ approved. ☐ disapproved (see explanation).
12. ☐ Acknowledgment is made of the claim for priority under U.S.C. 119. The certified copy has ☐ been received ☐ not been received  
☐ been filed in parent application, serial no. \_\_\_\_\_; filed on \_\_\_\_\_
13. ☐ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.
14. ☐ Other

**EXAMINER'S ACTION**

Art Unit 2614

1. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

2. Claims 4, 5, and 12-15 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Consider claim 4. The receiving interface switch is not mentioned in the independent claim 1. Therefore, Applicant is requested to change "the" to ---a receiving interface switch--.

3. The following is a quotation of 35 U.S.C. § 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Subject matter developed by another person, which qualifies as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

4. Claims 1-3 are rejected under 35 U.S.C. § 103 as being unpatentable over the prior art electronic mail system disclosed

by Applicant in figure 1 in view of Tsukamoto et al.

The prior art electronic mail system disclosed by the applicant in figure 1 constitutes the subject matter claimed in claims 1 except for failing to teach the use of an RF transmission network within the e-mail system. Tsukamoto et al. teach the use of a RF transmission network to communicate data from an originating processor to a destination processor. With *the* knowledge provided by Tsukamoto, it would have been obvious to one of ordinary skill in the art to utilize the RF transmission network in the prior art e-mail system to transfer messages from the originating processor to the destination processor via radio transmission.

The combination further differs from claim 1 in that they fail to teach transferring information from one e-mail system to another. However, it is well known in the art, with the appropriate software, to transfer information from one electronic mail system to another. Thus, it would have been obvious to one of ordinary skill in the art to add this feature to the combination to allow message transference to a processor in another system.

Further, it is inherent that there exist an interface switch in each e-mail system in order to allow transference of the messages from the originating system to the destination system.

With regard to claims 2 and 3, it is disclosed in column 1

Art Unit 2614

8, lines 19-31 of Tsukamoto that the identification number of the RF receiver (destination processor) is added to the information being transmitted by the RF information network and further, it is inherent that the address of the e-mail system in which the e-mail system in which the destination processor is located is also added in order that the destination processor receive the information intended for it.

5. Claims 10 and 11 are rejected under 35 U.S.C. § 103 as being unpatentable over the prior art e-mail system disclosed by Applicant in figure 1 in view of Tsukamoto et al. as applied to claim 2 above, and further in view of Davis et al.

Consider claim 10. The combination, as previously discussed, fails to teach the assembling of messages from a plurality of processors into a packet and subsequently transmitting the packet to the RF transmission network. However, Davis et al. teach in <sup>a</sup> global communication system in column 8, line 62 to column 9, line 29, to transmit a plurality of messages along with their associated identification codes to a receiving station. With teaching provided by Davis et al., it would have been obvious to one of ordinary skill in the art to utilize the message packet technique in the combination to avoid transmission of each message individually.

In addition, with consideration to claim 11, it is inherent and further disclosed by Davis that once the message packet is

Serial No. 702,938

-5-

Art Unit 2614

received at the receiving station, the packet is disassembled and each message is transmitted to the destination processor that corresponds with each identification code.

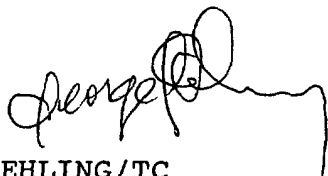
6. Claims 6-9 and 16-23 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The above mentioned claims are objected to since the prior art of record fails to teach removing information utilized by one e-mail system before information utilized by the RF network is added to the message.

7. Claims 4, 5 and 12-15 would be allowable if rewritten to overcome the rejection under 35 U.S.C. § 112 and to include all of the limitations of the base claim and any intervening claims.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Geroge Oehling whose telephone number is (703) 305-4760.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-4700.



G.OEHLING/TC  
November 20, 1992



CURTIS KUNTZ  
SUPERVISORY PATENT EXAMINER  
GROUP 2600